SEQUENCE LISTING

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<110> FRIDKIN, Matityahu
     YAVIN, Eran J.
<120> ANTI-INFLAMMATORY PEPTIDES DERIVED FROM C-REACTIVE
      PROTEIN
<130> FRIDKIN=1
<140> 09/117,380
<141> 1999-01-27
<150> PCT/IL97/00032
<151> 1997-01-27
<150> IL 116976
<151> 1996-01-31
<160> 20
<170> PatentIn Ver. 2.0
<210> 1
<211> 4
<212> PRT
<213> Artificial Sequence
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<223> Description of Artificial Sequence: Synthetic
 <223> The N-terminal Ala residue is modified with a
       methoxysuccinyl group; the C-terminal Val residue
       is modified with a nitroanilide group.
 <400> 1
 Ala Ala Pro Val
 <210> 2
 <211> 4
 <212> PRT
 <213> Artificial Sequence
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 <223> The N-terminal Ala residue is modified with a
       succinyl group; the C-terminal Phe residue is
       modified with a nitroanilide group.
 <223> Description of Artificial Sequence: Synthetic
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 Ala Ala Pro Phe
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<210> 3 <211> 206 <212> PRT <213> Homo sapiens

<223> The C-terminal Pro residue is modified with an OH group.

:<400> 3 Glu Thr Asp Met Ser Arg Lys Ala Phe Val Phe Pro Lys Glu Ser Asp

Thr Ser Tyr Val Ser Leu Lys Ala Pro Leu Thr Lys Pro Leu Lys Ala 20

Phe Thr Val Cys Leu His Phe Tyr Thr Glu Leu Ser Ser Thr Arg Gly

Tyr Ser Ile Phe Ser Tyr Ala Thr Lys Arg Gln Asp Asn Glu Ile Leu 50

Ile Phe Trp Ser Lys Asp Ile Gly Tyr Ser Phe Thr Val Gly Gly Ser

Glu Ile Leu Phe Glu Val Pro Glu Val Thr Val Ala Pro Val His Ile 85

Cys Thr Ser Trp Glu Ser Ala Ser Gly Ile Val Glu Phe Trp Val Asp 105

Gly Lys Pro Arg Val Arg Lys Ser Leu Lys Lys Gly Tyr Thr Val Gly 120

Ala Glu Ala Ser Ile Ile Leu Gly Gln Glu Gln Asp Ser Phe Gly Gly 135

Asn Phe Glu Gly Ser Gln Ser Leu Val Gly Asp Ile Gly Asn Val Asn

Met Trp Asp Phe Val Leu Ser Pro Asp Glu Ile Asn Thr Ile Tyr Leu 170 165

Gly Gly Pro Phe Ser Pro Asn Val Leu Asn Trp Arg Ala Leu Lys Tyr 185

Glu Val Gln Gly Glu Val Phe Thr Lys Pro Gln Leu Trp Pro 205 200

<210> 4

<211> 28

<212> PRT

<213> Homo sapiens

<220>

<221> DISULFID

<222> (24)..(25)

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<400> 4
Ser Phe Thr Val Gly Gly Ser Glu Ile Leu Phe Glu Val Pro Glu Val
 Thr Val Ala Pro Val His Ile Cys Cys Leu His Phe
<210> 5
 <211> 28
 <212> PRT
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 Thr Ile Asn Glu Lys Gly Thr Glu Ala Ala Gly Ala Met Phe Leu Glu
 Ala Ile Pro Met Thr Ile Pro Pro Glu Val Lys Phe
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  <210> 6
  <211> 13
  <212> PRT
  <213> Artificial Sequence
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  <223> Description of Artificial Sequence: Synthetic
  <220>
  <221> DISULFID
  <222> (9)..(10)
  <400> 6
  Val Thr Val Ala Pro Val His Ile Cys Cys Leu His Phe
                                      10
                    5 .
  <210> 7
  <211> 23
  <212> PRT
  <213> Artificial Sequence
  <223> Description of Artificial Sequence: Synthetic
   Gly Ser Glu Ile Leu Phe Glu Val Pro Glu Val Thr Val Ala Pro Val
                                       10
                   5
   His Ile Cys Cys His Leu Phe
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20

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<210> 8
<211> 8
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic
Val Thr Val Ala Pro Val Ser Ile
 1
 <210> 9
 <211> 8
 <212> PRT
 <213> Artificial Sequence
 <223> Description of Artificial Sequence: Synthetic
 Val Thr Val Ala Pro Val Phe Ile
 <210> 10
 <211> 9
  <212> PRT
  <213> Artificial Sequence
  <223> Description of Artificial Sequence: Synthetic
  <220>
  <223> The C-terminal Pro residue is modified with an
        NH<sub>2</sub> group
  <400> 10
  Val Thr Val Ala Pro Val His Ile Pro
                     5
  <210> 11
  <211> 9
  <212> PRT
  <213> Artificial Sequence
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  <223> Description of Artificial Sequence: Synthetic
  <223> The C-terminal Pro residue is modified with an
         NH<sub>2</sub> group
   Val Thr Val Ala Pro Phe His Ile Pro
     1
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<210> 12
<211> 10
<212> PRT
<213> Artificial Sequence
<223> Description of Artificial Sequence: Synthetic
<220>
<223> The C-terminal Pro residue is modified with an \mathrm{NH}_2
      group
<400> 12
Val Thr Val Ala Pro Val His Ile Pro Pro
  1
<210> 13
<211> 8
<212> PRT
<213> Artificial Sequence
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 <223> Description of Artificial Sequence: Synthetic
 <220>
 <223> The N-terminal Val residue may be modified with a
       monomethoxy-succinyl group, a 1,adamantyl-NH-CO
       group, an \alpha-naphtyl-NH-CO group, an octanovl group, a
       carbobenzoxy protecting group, a 6-actylamino-N-hexanoyl
       group, a 9-fluorenylmethoxycarbonly group, an H-group, a
       CH_3OCO(CH_2)_2CO group, a CH_3(CH_2)_6CO group, or a CH_3CONH(CH_2)_5CO
       group.
       The C-terminal Ile residue may be modified with an OH group
       or an NH2 group,
 <400> 13
 Val Thr Val Ala Pro Val His Ile
   1
 <210> 14
 <211> 9
  <212> PRT
  <213> Artificial Sequence
  <223> Description of Artificial Sequence: Synthetic
  <220>
  <223> The N-terminal Phe residue may be modified with a
        monomethoxy-succinyl group, a carbobenzoxy
        protecting group, a CH_3OCO(CH_2)_2C) group, or an H group
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The C-terminal Ile residue may be modified with an OH group or joined to a polymer

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<400> 14
Phe Val Thr Val Ala Pro Val His Ile
<210> 15
<211> 8
<212> PRT
<213> Artificial Sequence
<223> Description of Artificial Sequence: Synthetic
<400> 15
Leu Glu Ala Ile Pro Met Ser Ile
 1
<210> 16
<211> 8
<212> PRT
<213> Artificial Sequence
<223> Description of Artificial Sequence: Synthetic
<223> Xaa at position 7 is 1,4-(L)diaminobutyric acid
<400> 16
Val Thr Val Ala Pro Val Xaa Ile
                   5
 <210> 17
 <211> 8
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Synthetic
 <223> Xaa at position 5 is N-methyl glycine
 <400> 17
 Val Thr Val Ala Xaa Val His Ile
 <210> 18
 <211> 9
 <212> PRT
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<213> Artificial Sequence
<223> Description of Artificial Sequence: Synthetic
<220>
<223> The N-terminal Val residue is modified with an H
      group and the C-terminal Cys residue is modified
      with an OH group
Val Thr Val Ala Pro Val His Ile Cys
<210> 19
<211> 19
<212> PRT
<213> Artificial Sequence
<223> Description of Artificial Sequence: Synthetic
<223> The N-terminal Gly residue is modified with an H
       group and the C-terminal Cys residue is modified
       with an OH group
<400> 19
Gly Ser Glu Ile Leu Phe Glu Val Pro Glu Val Thr Val Ala Pro Val
                                                           15
  1
His Ile Cys
 <210> 20
 <211> 8
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Synthetic
 <220>
 <223> The N-terminal Val residue is modified with an H
       group; Thr at position 2 is modified with
       tert.-butyl-ether; His at position 7 is modified
       with trityl; and the C-terminal Ile residue is joined to a
       polymer
 Val Thr Val Ala Pro Val His Ile
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